

## **Simulator for the study of thought process in Buddhism**

The mechanism of mind has been explained by the concept of thought process in Buddhism. This model can be used for realization and construction of different models of machines. So, the applications of thought processes can be a theme of science and engineering. However, the mechanism of thought process is rather complicated and there is very little attention paid to exploit or study thought process. Therefore, before going into scientific modeling with thought process, it is desirable to have a simulator for the study of thought processes.

This paper reports on a computer-based approach to study about thought process. A simulator has been developed to illustrate the functionality of steps in a thought process. The simulator demonstrates behaviour of *both five-sense door* and *mind-door* thought processes. The four types of five-sense door thought processes with different lengths have been developed. The two major types of mind-door thought processes have also been developed. All the thought processes are also coupled with a textual description of further details of each step in the thought processes. Links are set up to consciousness relevant each function of the thought process as well. This allows any ordinary person to be able to learn model of thought process, without requiring priori knowledge in Buddhism or thought processes. The system has been developed to run on an ordinary PC running Windows operating system. It has been tested for demonstration ability of the five-sense door and mind-door thought processes. The system is now ready for the actual use of study and experiment with model of thought process